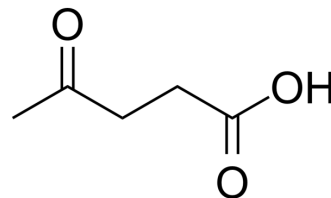


Levulinic acid

Cat. No.:	HY-Y0839		
CAS No.:	123-76-2		
Molecular Formula:	C ₅ H ₈ O ₃		
Molecular Weight:	116.12		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (861.18 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		8.6118 mL	43.0589 mL	86.1178 mL
		5 mM		1.7224 mL	8.6118 mL	17.2236 mL
10 mM			0.8612 mL	4.3059 mL	8.6118 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (21.53 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (21.53 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (21.53 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Levulinic acid is a precursor for the synthesis of biofuels, such as ethyl levulinate.
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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